CHART
UPDATES
140

PORTABLE
HEALTH
ASSISTANT
110

ORDER
UPDATES
150

SERVER
120

INTERNET
105

PATIENT
CHARTS
160

ALERTS
170

ORDER
UPDATES
150

CLINICIAN
BROWSER
130

OTHER PORTABLE HEALTH ASSISTANTS (NOT SHOWN) MAY ALSO INTERACT WITH THE
SERVER 120.

SIMILARLY, OTHER CLINICIAN BROWSERS (NOT SHOWN) MAY INTERACT WITH THE SERVER 120.
A CLINICIAN MAY MANAGE MULTIPLE PATIENTS THROUGH CLINICIAN BROWSER 130.

THE PORTABLE HEALTH ASSISTANT MAY COMMUNICATE WITH THE SERVER 120 THROUGH
A NON-INTERNET LINK.

FIG. 1

ILLUSTRATION 200 OF THE ENTRY AND EXECUTION OF A NEW ORDER

210

well.at.home Clinician Application

Add Order	Jim Keltner	PTCT	**Tools**
			▷ Select
			◀ Return

Vasotec

How much and when?

2.5mg Qd

2.5mg BID

5mg Qd

5mg BID

10mg Qd

10mg BID

20mg Qd

20mg BID

THROUGH SERVER SCREEN 210, A CLINICIAN ENTERS A NEW ORDER FOR THE DRUG VASOTEC. THIS ORDER IS ADDED TO THE PATIENT'S PROTOCOL.

220

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Things to Do Now — Pg 1 of 1

▶ **Take Vasotec**

▶ **Have you eaten?**

✖ **Exit this Menu**

CLIENT SCREEN 220 REMINDS THE PATIENT AT THE APPROPRIATE TIMES TO TAKE THE DRUG IN ACCORDANCE WITH THE ORDER.

230

well.at.home

Take Vasotec

Take one Vasotec 10mg tablet by mouth now.
Have you taken this medication?

◎ **Yes**

◎ **No, instructed not to**

◎ **No, ran out of it**

◎ **No**

◁ **Go Back**   **Go Ahead** ▷

WHEN THE PATIENT HAS INDICATED A READINESS TO TAKE THE DRUG INDICATED IN SCREEN 220, CLIENT SCREEN 230 PRESENTS THE EXACT DRUG, DOSE, FORM, AND METHOD OF ADMINISTRATION (ALONG WITH A PICTURE OF THE PILL FOR DRUGS WITHOUT GENERIC EQUIVALENTS).

FIG. 2

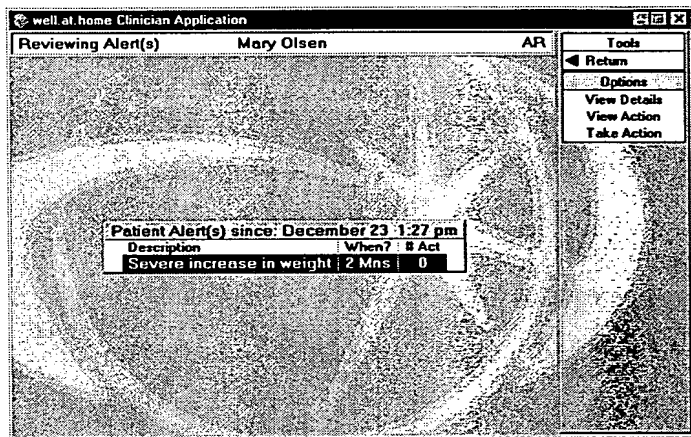ILLUSTRATION 300 OF THE
TRIGGERING AND PROCESSING
OF AN ALERT

310

THROUGH CLIENT
SCREEN 310, THE
PORTABLE HEALTH
ASSISTANT (IN
ACCORDANCE WITH
THE PATIENT'S
PROTOCOL)
REQUESTS THAT THE
PATIENT INPUT HIS
WEIGHT.

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Perform Your Evening Checkup

How much do you weigh?

400

161 lbs

50

Go Back   Go Ahead
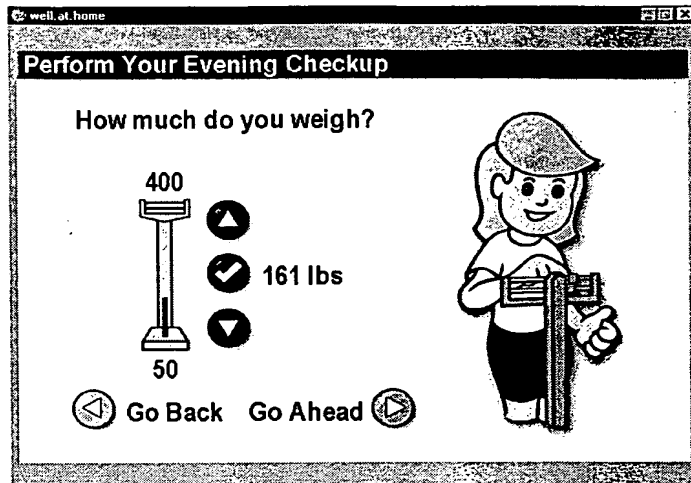
320

WHEN INFORMED OF
THE PATIENT'S
WEIGHT INCREASE,
THE SERVER
SOFTWARE ISSUES AN
ALERT 170, WHICH IT
DISPLAYS AT THE
SERVER 120 THROUGH
SERVER SCREEN 320.

well.at.home Clinician Application

Reviewing Alert(s)	Mary Olsen	AR	Tools
			◄ Return
			Options
			View Details
			View Action
			Take Action

Patient Alert(s) since: December 23 1:27 pm

Description	When?	# Act
Severe increase in weight	2 Mns	0

330

THE SERVER
SOFTWARE ALSO
SENDS THE ALERT TO
THE CLINICIAN
BROWSER 130, WHICH
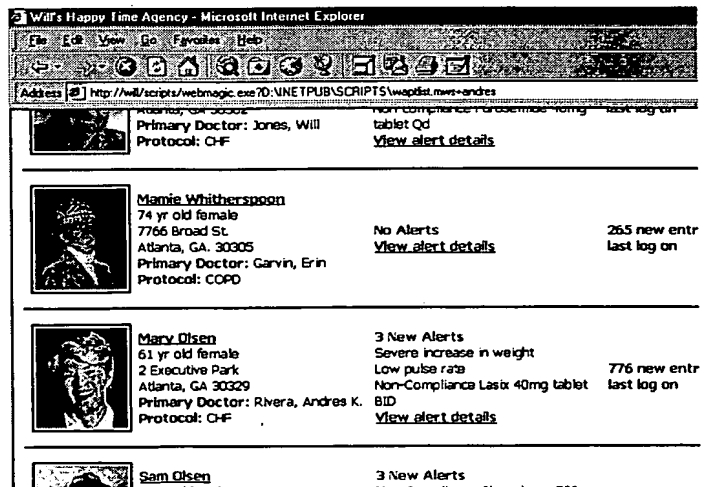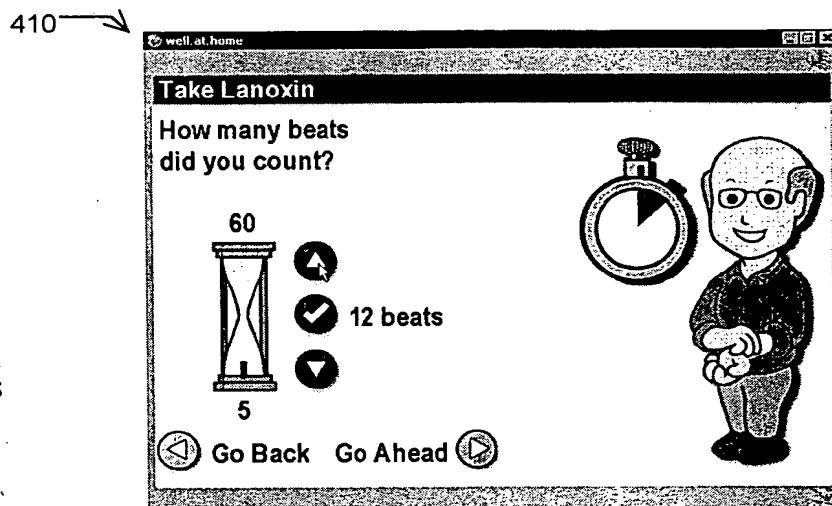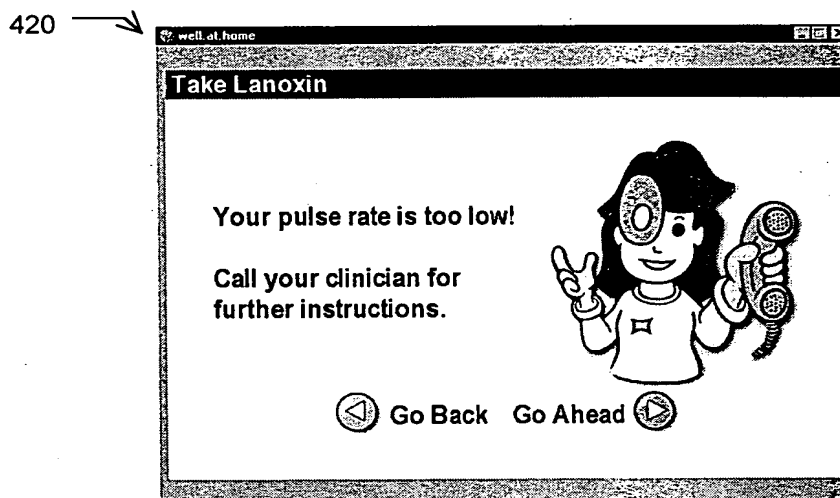DISPLAYS THE ALERT
TO THE CLINICIAN
THROUGH BROWSER
SCREEN 330.

Will's Happy Time Agency - Microsoft Internet Explorer

File Edit View Go Favorites Help

Address http://well/scripts/webmagic.exe?D:\INETPUB\SCRIPTS\waptlst.mws+andres

Primary Doctor: Jones, Will
Protocol: CHF
tablet Qd
View alert details

Mamie Whitherspoon
74 yr old female
7766 Broad St.
Atlanta, GA. 30305
Primary Doctor: Garvin, Erin
Protocol: COPD

No Alerts
View alert details

265 new entr
last log on

Mary Olsen
61 yr old female
2 Executive Park
Atlanta, GA 30329
Primary Doctor: Rivera, Andres K.
Protocol: CHF

3 New Alerts
Severe increase in weight
Low pulse rate
Non-Compliance Lasix 40mg tablet
BID
View alert details

776 new entr
last log on

Sam Olsen
3 New Alerts

FIG. 3

ILLUSTRATION 400 OF
CONDITIONAL LOGIC
IN A PROTOCOL

410 ⟶

well.at.home

Take Lanoxin

How many beats
did you count?

60

▲
✓ 12 beats
▼

5

◁ Go Back   Go Ahead ▷

THROUGH CLIENT SCREEN 410, THE PORTABLE HEALTH ASSISTANT 110 (IN ACCORDANCE WITH THE PATIENT'S PROTOCOL) REQUESTS THAT THE PATIENT RECORD HIS PULSE.

420 ⟶

well.at.home

Take Lanoxin

Your pulse rate is too low!

Call your clinician for
further instructions.

◁ Go Back   Go Ahead ▷

IF THE PULSE HAD BEEN HIGH ENOUGH, THE PROTOCOL WOULD HAVE INSTRUCTED THE PATIENT TO TAKE DIGOXIN. BECAUSE THE PULSE WAS BELOW A PREDEFINED THRESHOLD, HOWEVER, CLIENT SCREEN 420 TELLS THE PATIENT TO CALL HIS CLINICIAN.

430 ⟶

Will's Happy Time Agency - Microsoft Internet Explorer

File Edit View Go Favorites Help

Address http://will/scripts/webmagic.exe?0:\NETPUB\SCRIPTS\waptlist.mws=andres

Primary Doctor: Jones, Will   Non-compliance ... tablet Qd   tablet Qd
Protocol: CHF   View alert details

Mamie Whitherspoon
74 yr old female
7766 Broad St.   No Alerts   265 new entr
Atlanta, GA. 30305   View alert details   last log on
Primary Doctor: Garvin, Erin
Protocol: COPD

Mary Olsen   3 New Alerts
61 yr old female   Severe increase in weight
2 Executive Park   Low pulse rate   776 new entr
Atlanta, GA 30329   Non-Compliance Lasix 40mg tablet last log on
Primary Doctor: Rivera, Andres K. BID
Protocol: CHF   View alert details

Sam Olsen   3 New Alerts

THE SERVER SOFTWARE ALSO DETECTS THE LOW PULSE AND GENERATES AN ALERT 170, WHICH IS DISPLAYED TO THE CLINICIAN THROUGH BROWSER SCREEN 430.
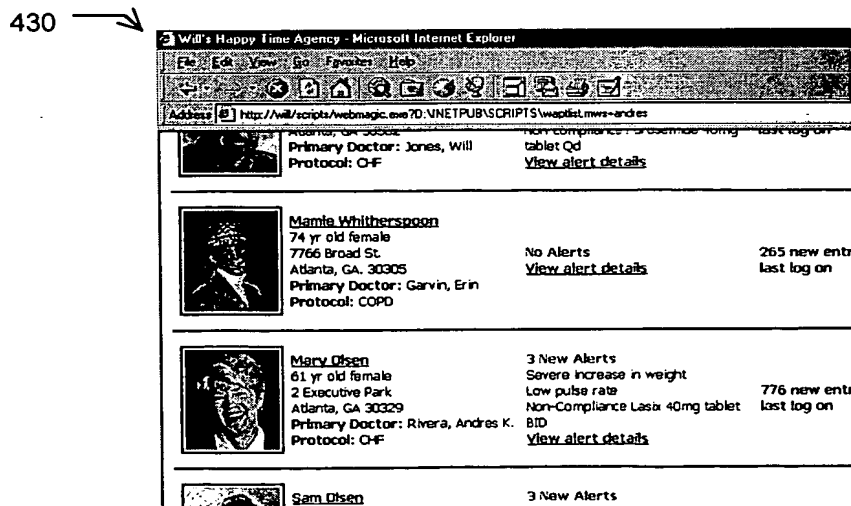
FIG. 4
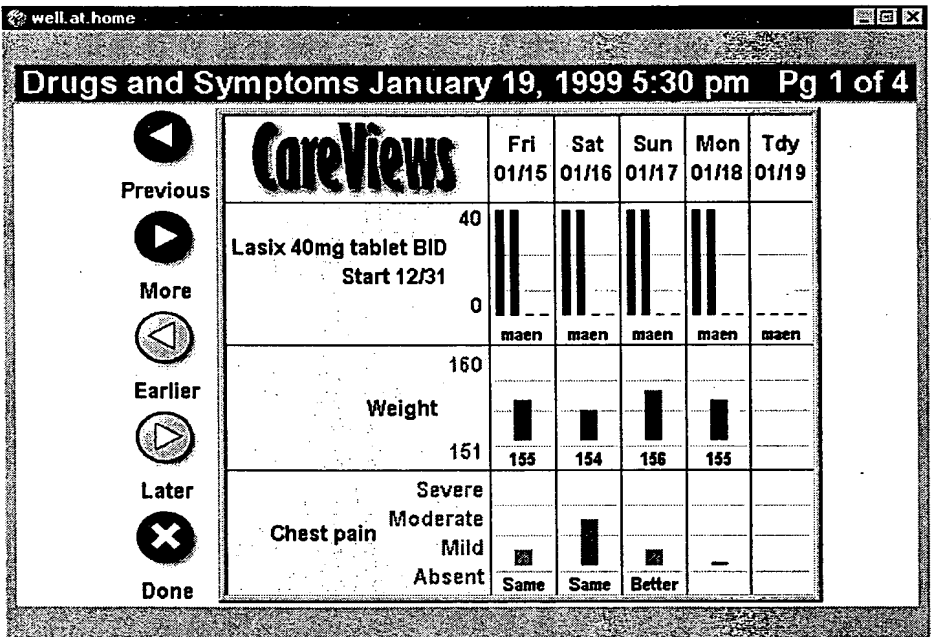
THIS SET OF GRAPHS FOLLOWS THE PATIENT'S PROGRESS
IN TIME VERSUS USE OF AN IMPORTANT MEDICATION.

FIG. 5

well.at.home

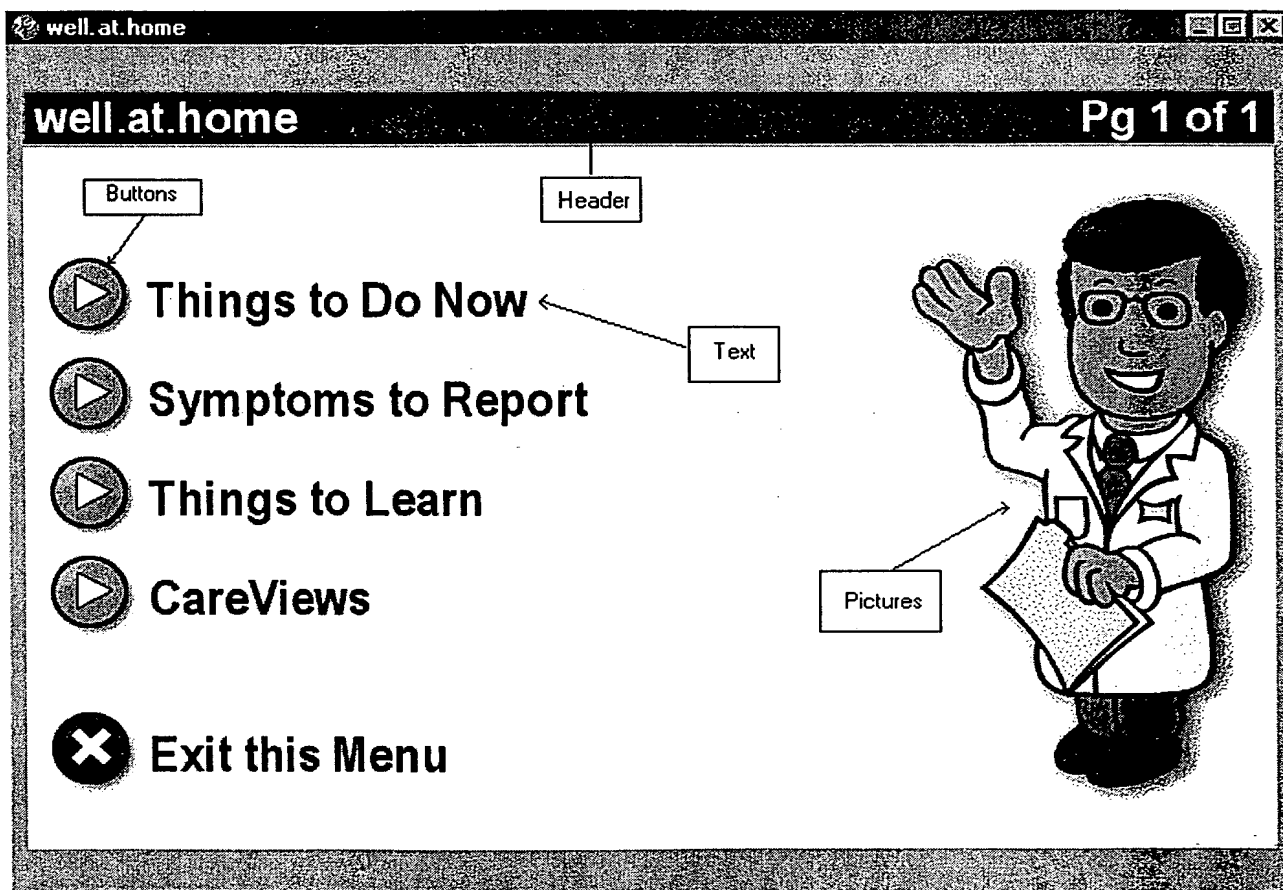well.at.home   Pg 1 of 1

Buttons   Header

▶ **Things to Do Now** ←

Text

▶ **Symptoms to Report**

▶ **Things to Learn**

▶ **CareViews**

Pictures

✖ **Exit this Menu**

FIG. 6

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Things to do

YOU HAVE THINGS TO DO!

Enter well.at.home
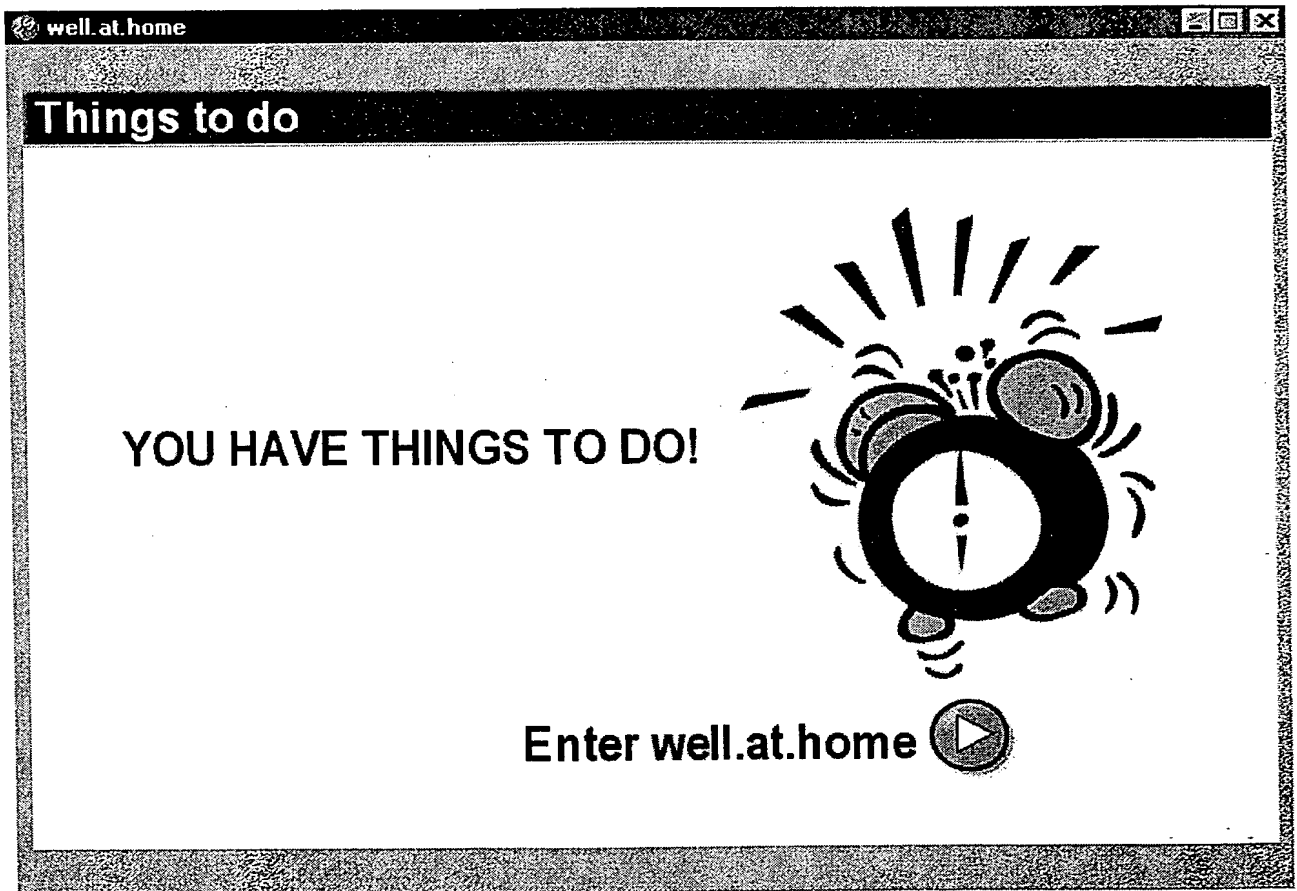
FIG. 7
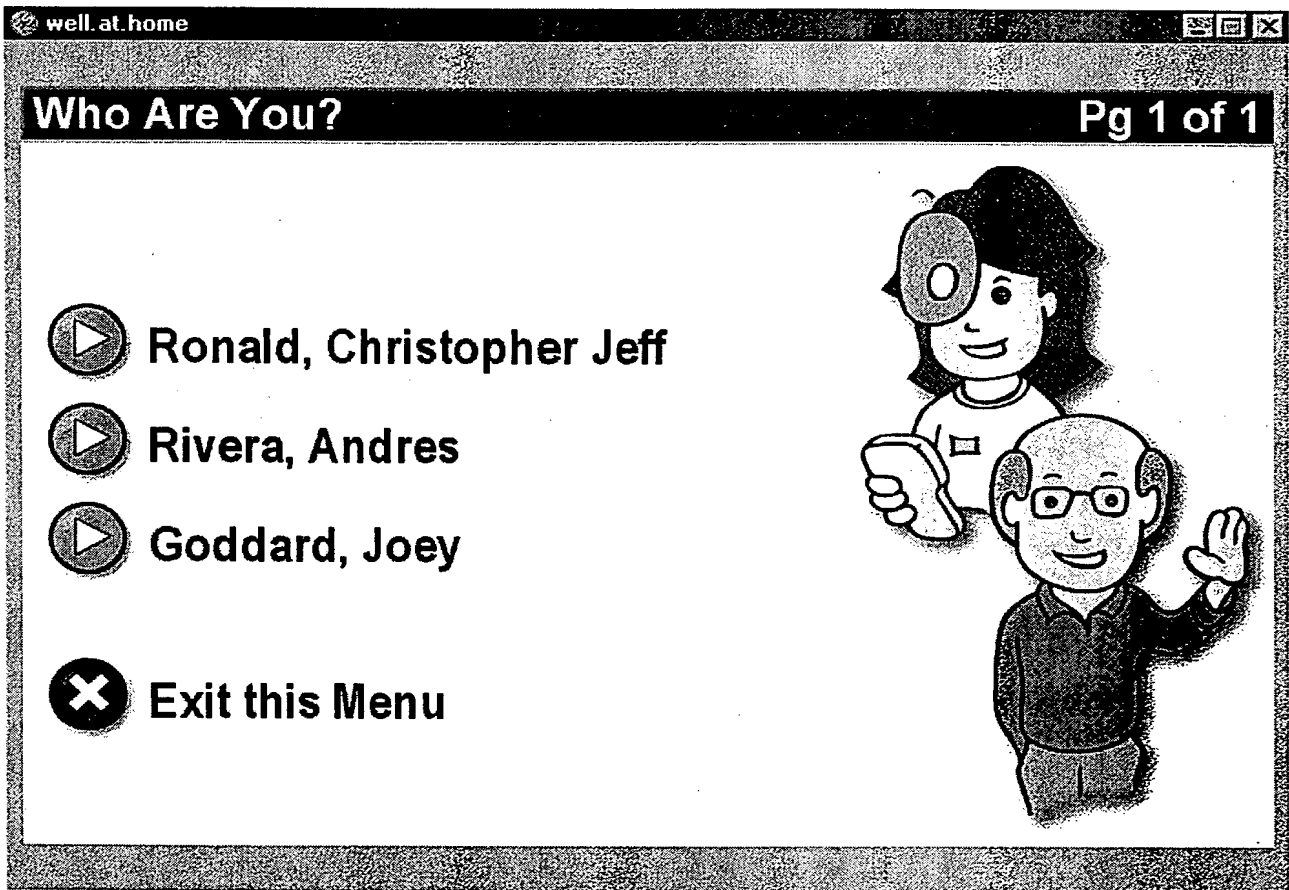
FIG. 8
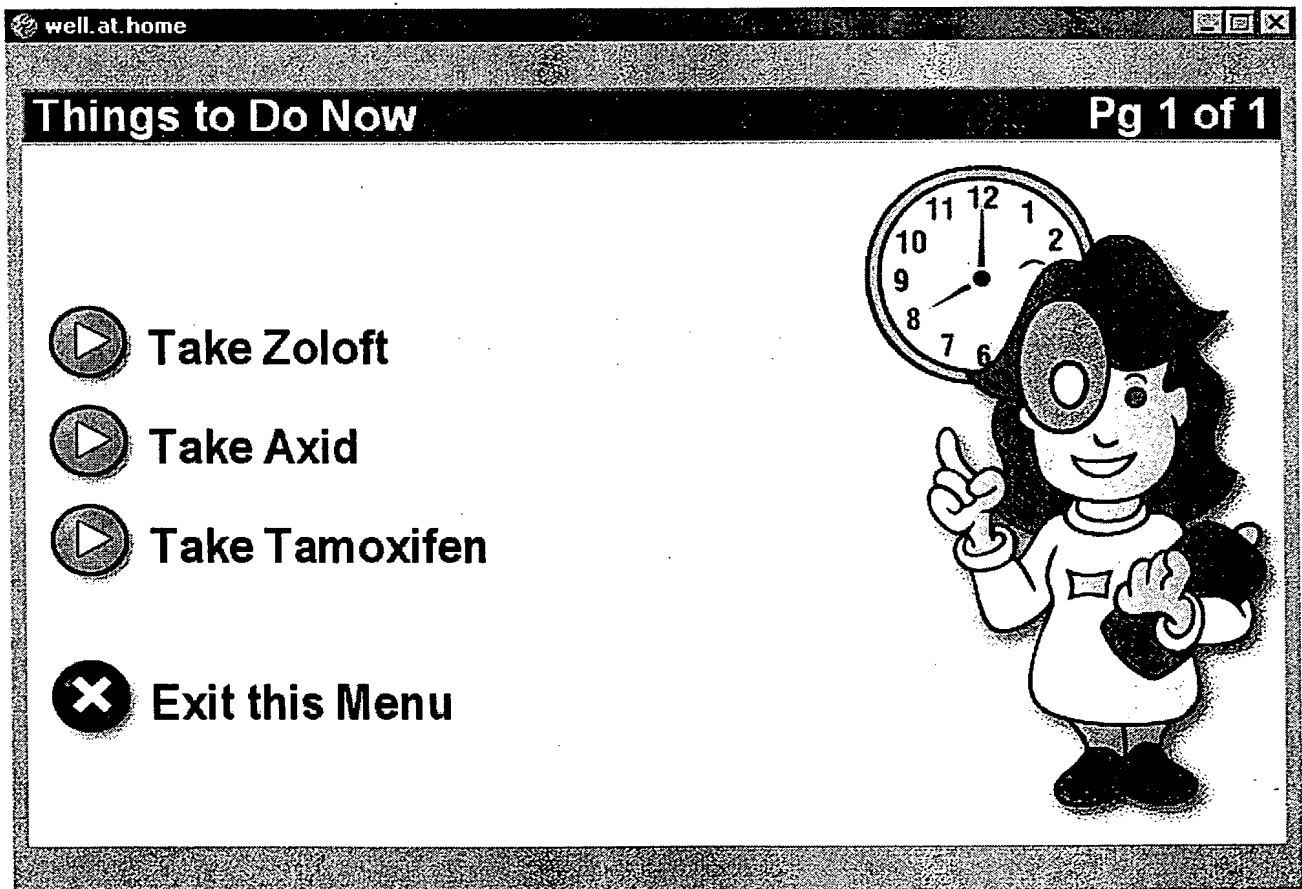
FIG. 9

TAKE ZOLOFT
INSTRUCTION
SCREEN 1000

well.at.home

Take Zoloft

Take one Zoloft 100mg tablet
by mouth now.
Have you taken this medication?

○ Yes

○ No, instructed not to

○ No, ran out of it

○ No

◁ Go Back   Go Ahead ▷

FIG. 10

well.at.home

Take Zoloft

Take one Zoloft 100mg tablet
by mouth now.
Have you taken this medication?

✔ Yes

◉ No, instructed not to

◉ No, ran out of it

◉ No

◀ Go Back   Go Ahead ▶

FIG. 11

THINGS TO DO NOW
SCREEN 1200 SHOWING
A COMPLETED TASK
WITH A CHECK MARK
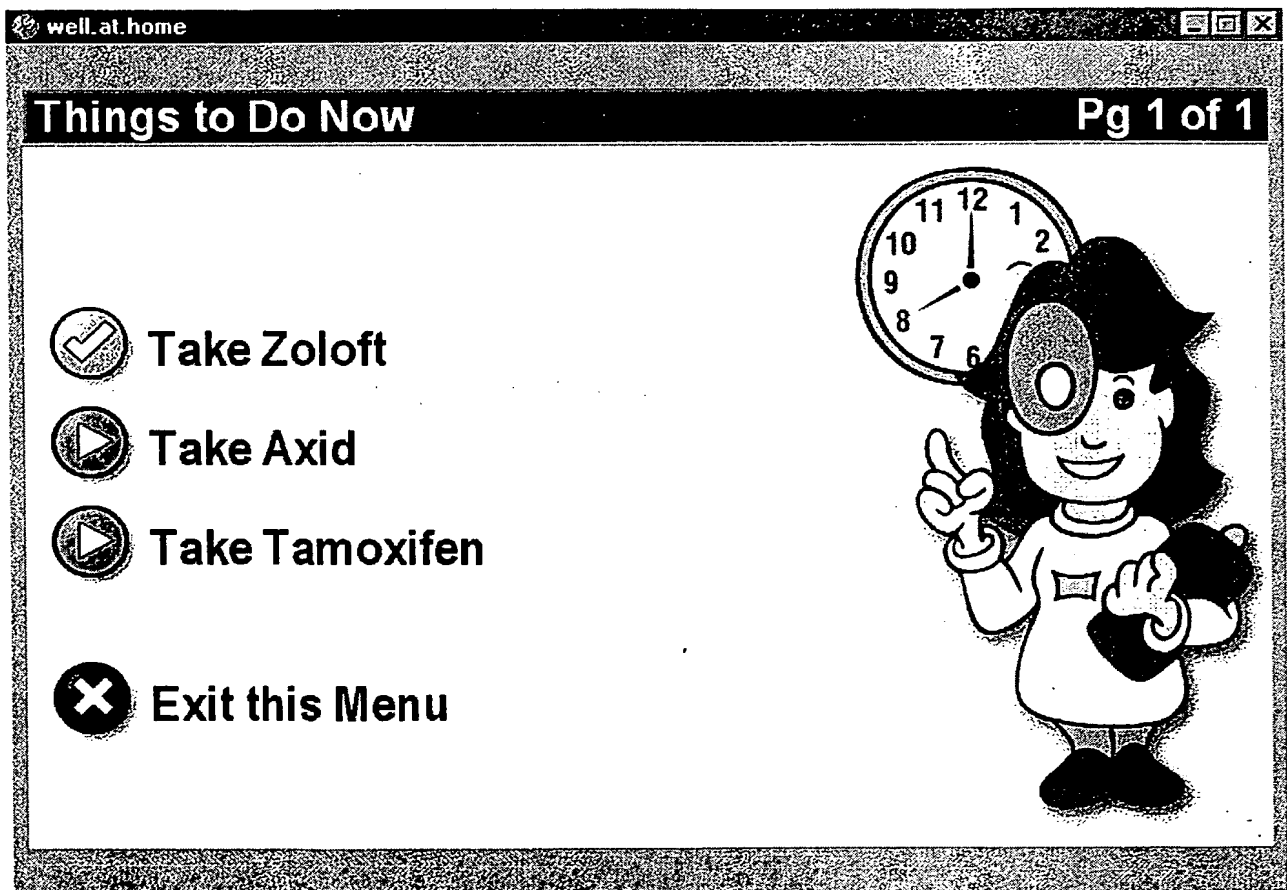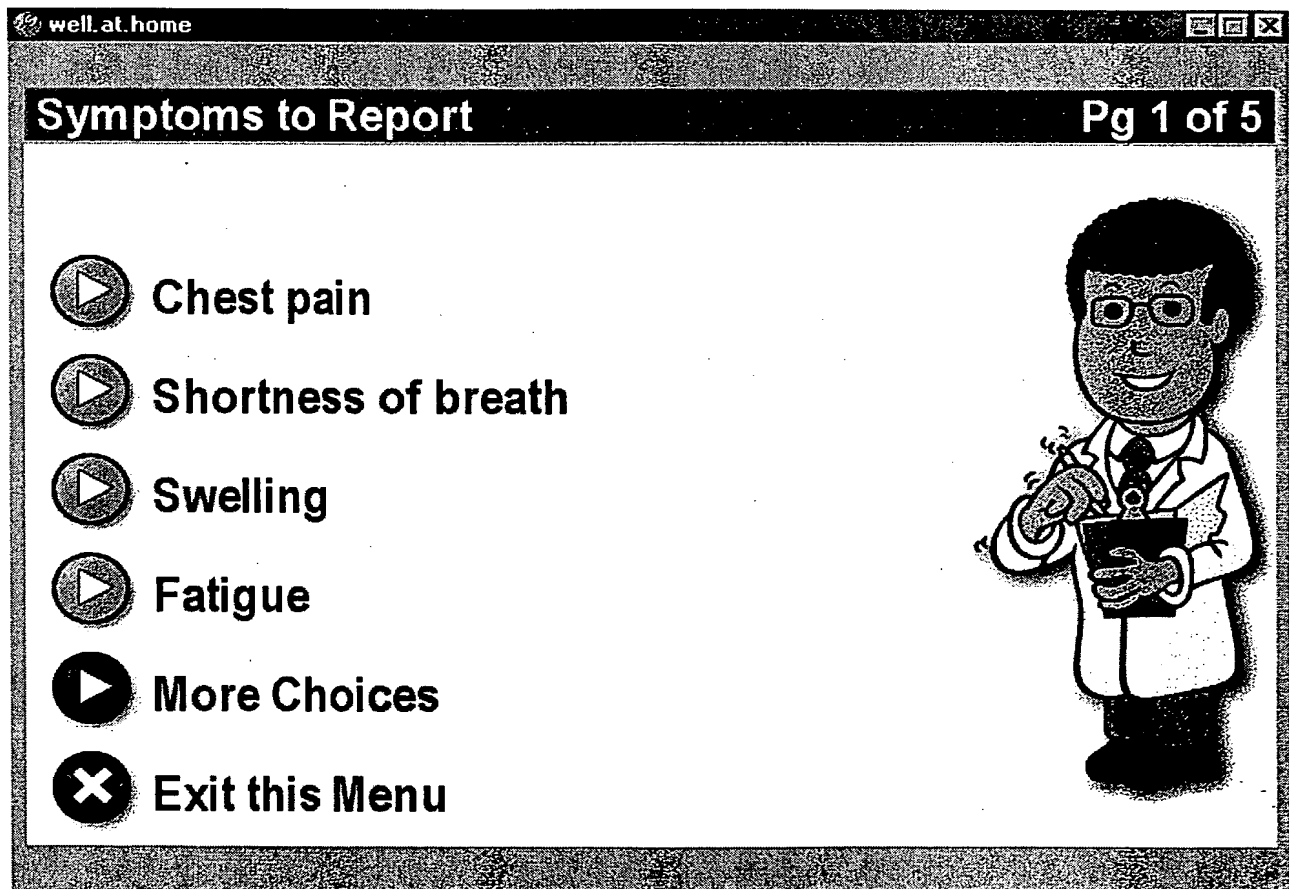
well.at.home

Things to Do Now   **Pg 1 of 1**

✓ **Take Zoloft**

▶ **Take Axid**

▶ **Take Tamoxifen**

✕ **Exit this Menu**

FIG. 12

FIG. 13
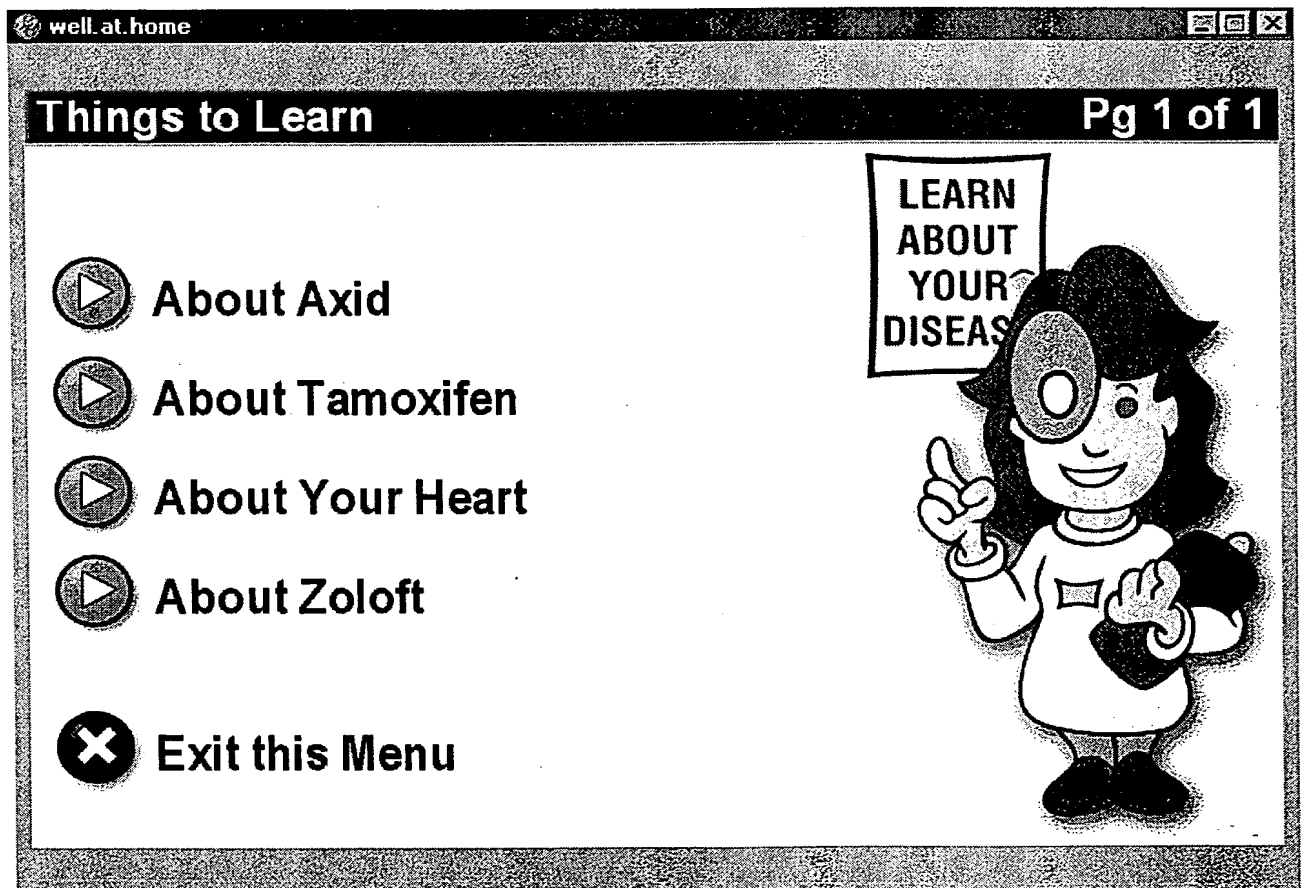
FIG. 14

well.at.home

Time of Task	Task
8:00 AM	Take Axid
8:00 AM	Take Tamoxifen
8:00 AM	Take Zoloft
1:00 PM	Take Tamoxifen

❌ Exit

FIG. 15

Health Status   Pg 1 of 2

▶ **Drugs and Symptoms**

▶ **Checkup**

▶ **Order Compliance**

▶ **Measurements**

▶ **More Choices**

✕ **Exit this Menu**
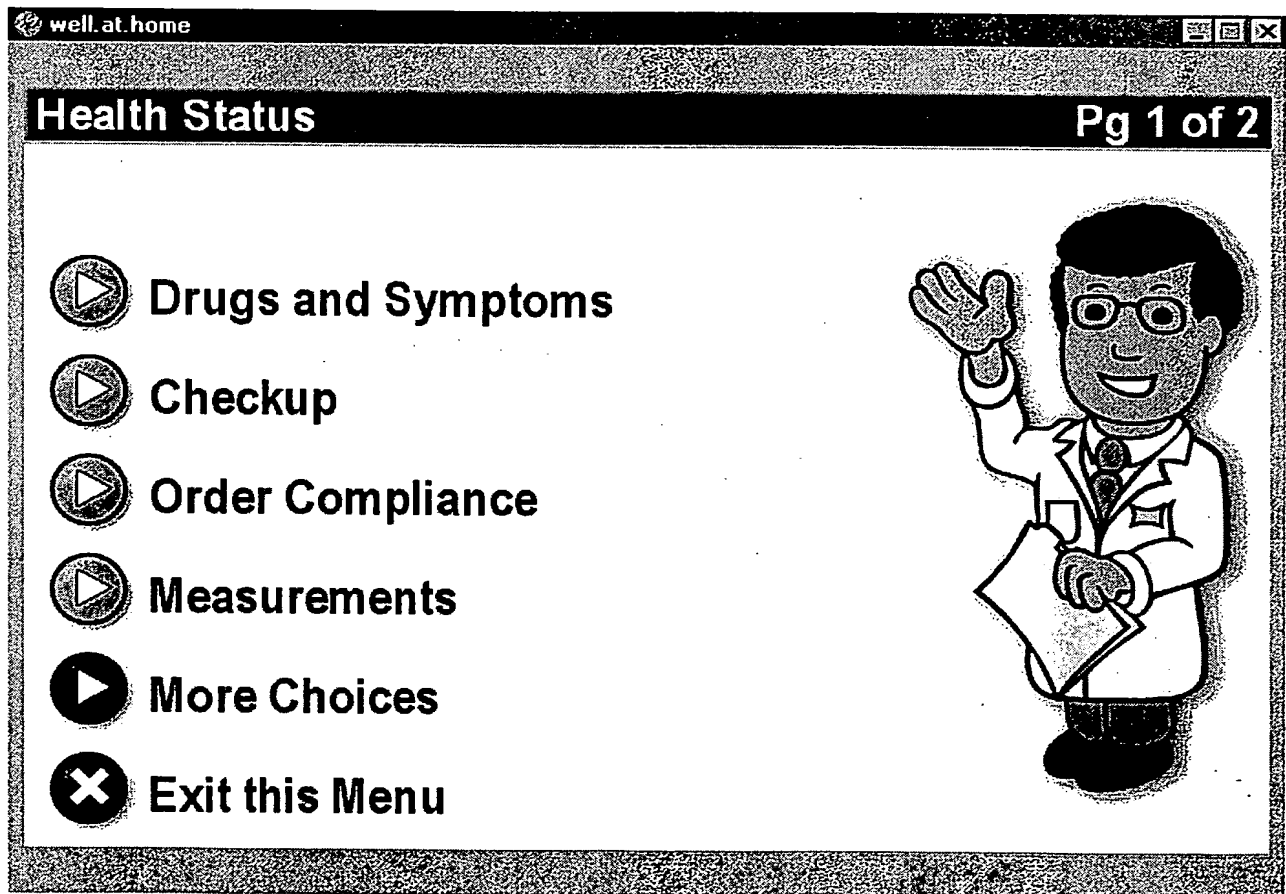
FIG. 16

well.at.home

Order Information

Order	Zoloft 100mg tablet Qd
Schedule	Morning
Start	04/07/1999
Stop	
Who	Rivera, Andres
Pillbox	

❌ Exit

FIG. 17

FIG. 18